

## Claims

[c1] 1. A ventilation system (1) for electrical wiring arrangements of electrical circuits (2) comprising a plurality of electrical connection terminals (3) arranged within an insulating element (5); said ventilation system (1) being characterized in that it comprises a plurality of electrical ventilation cables (4) connected respectively to said electrical terminals (3) of said electrical circuit (2), a plurality of connection chambers (6) each produced in the body of said insulating element (5) in such a manner as to accommodate therein said connection between said electrical ventilation cable (4) and said terminal (3) while maintaining said connection insulated from the outside; and at least one communication duct (7) between said connection chambers (6) produced in said insulating element (5) and designed so as to permit the passage of air between said connection chambers (6) and through said electrical ventilation cables (4).

[c2] 2. The ventilation system of claim 1, characterized in that each said terminal (3) is coupled to said insulating element (5) by means of at least one first sealing gasket (10) capable of insulating the connection chamber (6)

from the outside.

- [c3] 3. The ventilation system of claim 2, characterized in that said electrical ventilation cable (4) is coupled to said insulating element (5) by means of at least one second sealing gasket (8) capable of producing an upper hermetic closure of the respective connection chamber (6).
- [c4] 4. The ventilation system of claim 2, characterized in that said electrical ventilation cable (4) comprises a connector member (13) capable of being engaged within a seat (16) produced in said insulating element (5); said connector member (13), once coupled with said seat (16), defining within itself said connection chamber (6).
- [c5] 5. The ventilation system of claim 4, characterized in that it comprises at least one third gasket (18) interposed between said connector member (13) and said electrical ventilation cable (4) and capable of producing a hermetic closure of the respective connection chamber (6).
- [c6] 6. The ventilation system of claim 5, characterized in that it comprises at least one fourth gasket (19) interposed between each said connector member (13) and said seat (16) respectively.
- [c7] 7. The ventilation system of claim 4, characterized in

that said tubular duct (7) is produced in said insulating element (5) in such a manner as to communicate with at least one said seat (16).